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JAN 15 1973

# AGRICULTURAL LIBRARIES INFORMATION NOTES

## AN INFORMATION CENTER FOR ANIMAL DISEASE EMERGENCIES

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### INTRODUCTION

Scientific, technical, and commercial interests are increasingly drawn toward specialized information centers to save time in finding the best available data for decision making. The time required for an information system to react to queries about controlling or eradicating contagious diseases of livestock is directly related to the extent of losses in animal production incurred from the effects of epizootics. This premise was widely recognized in 1972 when an Emergency Programs Information Center was established in the Animal and Plant Health Inspection Service (APHIS) USDA. Strong impetus to the formation of the center came from a 1971 outbreak of African swine fever in Cuba, which posed a major economic threat to the American swine industry. Other stimuli were the presence or threat of highly destructive diseases affecting cattle, poultry, and equine populations in the U.S. New strains of foot-and-mouth disease (FMD) virus outside the U.S. increased the risk of introduction into domestic livestock. Asian Newcastle disease, fatal to domestic chickens, was brought into California accidentally with psittacine birds imported as pets. Venezuelan equine encephalitis was moving north from Central and South America. Indeed, this encephalitis emerged in Texas horses during June 1971 and Asian Newcastle disease appeared in southern California egg-producing chickens in November.

Veterinary Services (VS), a Division of APHIS, is responsible for protecting the health of livestock in the U.S. This mission requires constant surveillance of livestock and poultry diseases at home and abroad. Emergency Programs (EP), VS, concentrates on foreign animal disease hazards to the U.S. FMD is first priority since it is capable of causing an estimated ten billion dollar loss if it were to spread for one year among our totally susceptible cattle, swine, sheep, goat, and large game populations. Forty-four other diseases are on the EP priority list. When an exotic animal disease outbreak is declared a national emergency by the Secretary of Agriculture, EP activates and coordinates an eradication program with teams of cooperating specialists. Such teams then become integral parts of the Regional Emergency Animal Disease Eradication Organization (READEO). These specialists from many State, Federal, civil and military organizations have been trained by APHIS to manage emergency disease situations. Their need for readily available information to deal with unanticipated disease eradication situations necessitated the Center.

### EMERGENCY PROGRAMS INFORMATION CENTER (EPIC).

EPIC brings together at one location key technicians, middle managers, and specialized information resources whose primary function is to prepare for and respond to any outbreak of foreign animal disease that may occur in the

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United States. Information in (1) published articles, (2) audiovisuals, and (3) maps is continuously up-dated and made available at a moment's notice to help animal disease control specialists decide the best possible course in controlling dangerous epizootic outbreaks.

EPIC bibliographic resources include more than 27,000 articles in the English language. These are stored on 16 millimeter microfilm. A total of 1,900 articles are translations. Annually 5,000 articles are added and 16,000 pages are translated. Conventional files are also maintained on more than 30 diseases that will eventually be microfilmed.

Access to the world literature is obtained primarily through Technical Information Systems (TIS) of the USDA. Most computer-stored bibliographic data bases, including AGRICOLA, pertinent to agriculture, biomedicine, and veterinary medicine are utilized. The most recent articles are gathered first, but not restricted by date of publication. Plans have been made to include the EPIC computerized bibliographic data base as an AGRICOLA subfile.

Articles are extensively cross-indexed using a thesaurus of over 4,500 keywords and phrases. Considerable effort is expended to insure that the terms in the thesaurus are widely recognized, not only by veterinarians throughout the world but by practitioners of cognate disciplines, by matching these terms with those found in internationally recognized thesauri and references works. The file of indexed citations can be searched either by terms in the citation, minus stop words, or by controlled vocabulary terms. Full articles are placed on microfilm with photographically coded index terms. Articles can be quickly located on a microfilm reader-printer equipped with an automatic character-sensing device. Articles can also be located with simplified semi-automatic roll-film reader devices. Bibliographies on selected diseases have been published by EPIC and these are updated about once a year.

Only citations are routinely provided to users outside APHIS. Page-size and microfiche copies of selected articles and excerpts are transmitted to APHIS and READEO personnel in the field. Outside requests for copies are handled on an individual basis.

## AUDIOVISUALS

A collection of several thousand 2 x 2 photographic color transparencies of animals affected by foreign animal disease is maintained as an adjunct to resources of the bibliographic data bank. It continually expands as new photographs are acquired from actual occurrences including epidemiological investigations, and research projects. Several significant foreign animal diseases are difficult to differentiate from certain domestic animal diseases. Sixteen millimeter sound films dealing with such differential diagnoses and pathogenesis have been developed, especially for use in educating groups of practicing veterinarians, laboratory diagnosticians, and livestock producers. Complete videotape recording and playback equipment is also maintained in EPIC for similar purposes. Video recordings have the advantage of flexibility and speed-of-production when the time between the availability of subject matter and need for play-back is very limited. Color microfiche is utilized where there is a requirement for wide distribution of color photographs of typical disease lesions.

Informed practicing veterinarians and livestock producers constitute a valuable "early warning network" for suspected emergence of a foreign animal disease in new locations. A series of brief narrative brochures or program aids has been developed for distribution to these individuals in areas where disease emergencies are likely to occur. The brochures contain color photographs of the more easily recognizable disease-caused abnormalities.

The EPIC audiovisual resources are being developed on a priority basis, beginning with disease subjects of most immediate major concern. Completed films and brochures are accessible to interested persons outside VS and other cooperating disease control agencies through the APHIS-USDA Information Office.


*(Continued on page 3)*



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## MAPS

EPIC maintains a file of 35,000 aperture cards of 35 millimeter microfilm maps, encompassing the world, of which approximately 3,000 are maps of United States counties. Topographic geological survey maps of the United States and air navigational maps of the world comprise the remainder of this file. Epidemiologists and disease control officials dealing with quarantine area locations and related matters may also utilize 24 x 30 inch size photo enlargements. These are quickly produced at the Center. They may be dispatched by messenger, telecopied facsimile reproduction or other means.

For further information on EPIC, contact: Chief, Technical Support Staff, Emergency Programs, Veterinary Services APHIS, USDA, Federal Building, 6505 Belcrest, Hyattsville, Maryland 20782, (301) 436-8418. 

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## CAPITOL HILL LEGISLATION

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Spurgeon Terry  
Head Law Library, NAL/TIS/USDA

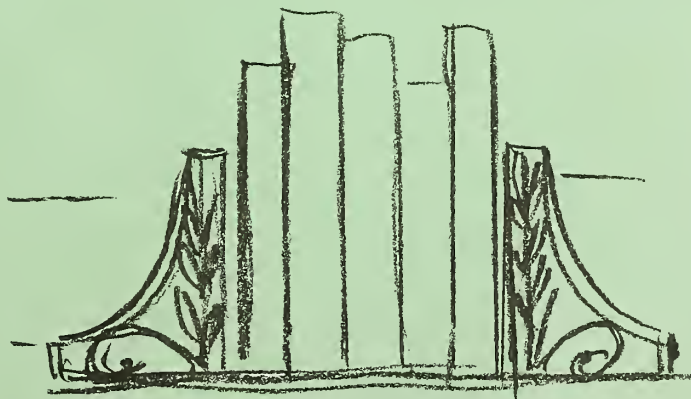
*H. R. 11545.* Amends the *Meat Import Act of 1964 (sec. 2 of P. L. 88-482)* to provide for a countercyclical method for determining meat import levels to stabilize U.S. beef and veal production and prices at levels adequate to provide a fair return to domestic producers of beef and veal and to insure U.S. consumers adequate supplies at reasonable stable prices.

Bill reported August 30 from Committee on Ways and Means (*H. Rept. 95-1532*); passed the House on October 12; Senate passed bill October 14. Vetoed November 11.

*H. R. 12511 (S. 3085).* House agreed October 6 to consider bill containing the *Child Nutrition Amendments of 1978*, which would extend for one year the child care food program of the National School Lunch Act and the women, infants, and children program of the *Child Nutrition Act of 1966*.

Senate passed *S. 3085* on July 21; House passed *S. 3085* with amendments October 14. Senate agreed October 15 to House amendments to *S. 3085*. Signed November 10 (*P. L. 95-627*)

*H. R. 13989.* Passed Senate without amendment; amends the *Food and Agriculture Act of 1977*; corrects a technical error in the statutory formula for allocation of agricultural research funds to the 1890 land-grant universities and Tuskegee Institute. October 28 (*P. L. 95-547*)




## WAMPLER ON PRIORITIES

"As far as I am concerned, increasing funding for agricultural research, extension and teaching; reestablishing Congressional oversight of USDA and its activities; and setting up the post of Assistant Secretary for Science and Education are the most important steps we can take in the next Congress to insure continuation of a healthy American agriculture." That's how Virginia Congressman William G. Wampler summarized his speech before the Division of Agriculture meeting November 13 during the annual NASULGC convention at St. Louis.

A long-time supporter of agricultural research and extension, the Congressman minced no words in making it clear he supports the formula funding of research in the states by the Federal Government. "Over the years, the strength of American agriculture rested on a spirit of cooperation between the Federal Government and state institutions such as those with which you are associated. That spirit today is largely eroded. Cooperation has been replaced by confrontation."

"In the case of Title XIV, a provision of the 1977 *Farm Bill* which was near and dear to my heart, the intent of the Congress was to strengthen cooperation between the Federal Government and the states in the areas of research, extension and teaching of agricultural sciences. But that hasn't happened." He said that in his opinion SEA's establishment . . . "seriously erodes the cooperative relationship that existed between these agencies (CSRS and ES) and your institutions (the land-grant universities)."

Wampler told the group that it was not Congress' intent that the new competitive grants program replace or have priority over the older formula funding programs. He also called for the quick appointment of the National Agricultural Research and Extension Users Advisory Board. "Congress specifically found the Executive Branch had failed to give research, extension and teaching in the agricultural sciences sufficient emphasis to meet national interests and needs," Wampler said. "For this reason, it established the Users Advisory Board -- to insure that these objectives were being met. . . . I will make every effort as a ranking

Republican Member of the Agriculture Committee to insure that vigorous oversight hearings be conducted into these vital areas of research, extension, and teaching -- to make sure the Executive Branch is carrying out the intent of the Congress." *Experiment Station Letter 1481, December 1, 1978.* 

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### NEW SERIALS RECEIVED AT NAL

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*Fire research.* Lausanne, Elsevier Sequoia.  
v. 1, no. 3, May 1978 — TH9111.F55

*Foreign food technology of military significance.*  
Charlottesville, Va., U.S. Army. Foreign Science  
and Technology Center. v. 1, no. 1, September  
1977 — TX341.F695

*Journal of food quality.* Westport, Connecticut,  
Food & Nutrition Press. v. 1, no. 1, April 1977 —  
TP373.5.J6

*Journal of food safety.* Westport, Connecticut,  
Food & Nutrition Press. v. 1, no. 1, August 1977 —  
TP373.5.J62

*Publications review, Management & technology  
& policy.* London, NPM Infolink. v. 1, no. 1,  
January 1978 — Z7164.P84P8

*Rural development abstracts.* Oxford,  
Commonwealth Bureau of Agricultural Economics.  
v. 1, no. 1, March 1978.— Z5074.E3R8

*Rural extension, education and training abstracts.*  
Oxford, Commonwealth Bureau of Agricultural  
Economics. v. 1, no. 1, March 1978 —  
Z5074.E8R8

*Wind engineering.* London, Multi-Science Pub. Co.  
v. 1, no. 1, 1977 — QC930.5.W5

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## TWO NEW SUBFILES BEGUN


The November tape of *AGRICOLA* contains two new subfiles which expand the subject coverage and usefulness of the file. Both are searchable online as separate files of *AGRICOLA* in the same manner as *CAIN* and *AG ECON* have been. This is a step in the direction of providing a more consolidated single source for important agricultural citations.

**BRUCELLOSIS** (*Searchable tag BRU*). This is a retrospective file (post-1969 included). The citations are on world literature about this disease which affects both livestock and man. The citations are gathered and computerized by the staff of the Cattle Disease Program, Animal and Plant Health Inspection Services of USDA. It contains significant references to literature on monitoring, controlling, and eradicating the disease from the late 1900's to the present. The initial 1,845 citations will be expanded to over 3,500 in the near future and be continuously updated with new accessions. A controlled vocabulary based on *Thesaurus of Animal Disease* and enriched with terms unique to this disease is used to assign subject descriptors. Contact: Emergency Programs, Veterinary Services, APHIS, USDA, Room 756, Federal Center Building 1, Hyattsville, MD 20782, for information on the thesaurus.

**ENVIRONMENTAL IMPACT STATEMENTS** (*Searchable tag ENV*). The initial 470 citations have been taken from *EISTM: Key to Environmental Impact Statements* (published by Information Resources Press) through a working agreement with USDA. All citations related to agriculture and natural resources have been incorporated into *AGRICOLA*. Quarterly updates are planned.

Basic bibliographic data elements are provided including the keywords as applied by *EISTM* (descriptors, geographics and corporate added entries). Abstracts in the publication are *NOT*

included in this tape file. Accession number prefixes appearing in the publication have been changed to NAL ENV, but the accession numbers remain the same. These are the same as the accession numbers on the microfiche set of the statements which many libraries obtain. Accession numbers for draft impact statements are suffixed with a D. NAL subject category codes are assigned to the records to enhance their retrievability.

Both subfiles are compatible with other *AGRICOLA* records, that is, they may be searched by title, author, descriptor, and other elements and contain basic detailed bibliographic data common to the total file. Some variations may be expected such as the form of corporate entry. 


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## PHOTODUPLICATION CHANGES

Lending Branch, Technical Information Systems, SEA/USDA has recently reviewed the procedures in its Photoduplication Section. As a result of this review, several changes have been made.

1. *Request Forms*. The NAL (National Agricultural Library) Request for Photoduplication form should no longer be used by libraries requesting items from us. Instead, requests from libraries should be submitted on the American Library Association Interlibrary Loan Request form.
2. *Coupons*. NAL coupons will no longer be issued. Coupons on hand may be sent with orders until further notice. If coupons are sent and a request cannot be filled, a credit memo will be issued. No coupons will be returned.

Alternatively, coupons on hand may be redeemed for cash. A request for redemption accompanied by the coupons should be sent to USDA/SEA/TIS, Photoduplication Section, National Agricultural Library Building, Beltsville, Maryland 20705.

3. *Billing*. A bill will be sent for any photocopy which we supply. The billing will be sent separately from the photocopy. Bills will be issued by the USDA/SEA, Financial Management Division, South Building, Room 6017, Washington, D.C. 20250. 



"Agriculture and American Indians." *Associates NAL Today*. n. s. v. 3, nos. 1/2, January/June 1978.  
\$5 per copy. Order from: Associates NAL, Inc.,  
10301 Baltimore Blvd., Beltsville, Maryland 20705.

*Card Catalog of the U.S. Department of Transportation Library*. (app. 900,000 cards)  
42 x microfiche. Available March 1979.  
Pre-publication price \$755. Regular price \$795.  
Available from: University Microfilms International,  
Ann Arbor, Michigan 48106.

*To Feed This World*. Sterling Wortman and  
Ralph Cummings. Baltimore, Maryland.  
Johns Hopkins University Press, 1978. \$25  
hardcover; \$6.95 paperback. Order from publisher.

*Information Services on Research in Progress, a Worldwide Inventory*. Edited by the Smithsonian  
Science Information Exchange and compiled in  
cooperation with UNESCO. Prepared under the  
support of the Division of Science Information,  
U.S. National Science Foundation (NSF Grant  
No. DS 176-17229). For sale and distributed by  
National Technical Information Service,  
5285 Port Royal Rd., Springfield, Virginia 22161.  
PB 282-025. 432p.

*Indian Poultry Industry Yearbook, 1978-79*.  
New Delhi. U.S. \$15 plus postage and handling  
(sea mail U.S. \$3; air mail: U.S. \$10 per copy).  
All checks should be made in favor of "*Indian Poultry  
Industry Yearbook*." Order from publisher, Indian  
Poultry Industry Yearbook, 2c/34. Guru Gobind  
Singh Marg, New Delhi 110005, India.

*Negotiating for Computer Services*. J. L. Divilbiss, ed.  
Champaign, University of Illinois, Graduate School  
of Library Science, 1978. ISBN: 0-87845-048-3.  
\$9. Order from Publications Office, 249 Armory  
Building, University of Illinois Graduate School  
of Library Science, Champaign, Illinois 61820.


*Phenology: An Aid to Agricultural Technology*.  
Richard J. Hopp. Burlington, Vermont Agricultural  
Experiment Station, 1978 (Bulletin 684). Free.  
Apply to Richard J. Hopp, Vermont Agricultural  
Experiment Station, Burlington, Vermont 05405.

*The Phenoxy Herbicides*. 2nd ed. Ames, Iowa,  
Council for Agricultural Science and Technology,  
1979. (Report no. 77) Apply to the Council at  
Headquarters, Agronomy Building, Iowa State University,  
Ames, Iowa 50011.

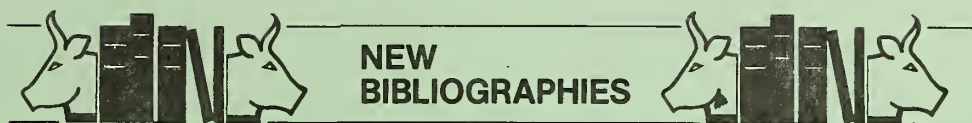
## INFORMATION FOR AGRICULTURAL EXTENSION WORK: WHICH WAY FOR THE FUTURE?

*Symposium on the transfer and interpretation of scientific and technical information in agriculture*.  
Compiled and published by CEC Luxembourg  
1977. EUR 5856 EN. Available from Office for  
Official Publications of the EC, B.P. 1003, Luxembourg.  
English only. Price: BFR 370; DKR 65; DM  
23,90; FF 53,30; LIT 10100; HFL 25,70; UK£ 6;  
US\$ 10.25.

Agricultural extension services need up-to-date scientific and technical information (STI), information on markets and farm commodity prices, and information on new products techniques, research and any socio-economic developments having a bearing on farm practice in order to fulfil their aim of promoting productivity, the quality of agricultural products and improving the standard of living of the rural population. In the light of these broad and complex requirements, a symposium was organised last year by the Commission of the European Communities (CEC) on the theme of 'the transfer and interpretation of STI in agriculture'. The proceedings of this symposium have now been published and contain an appraisal of the role of extension services, the special features of their information needs, and the extent to which these are met by existing information systems.

The symposium also looked at the probable information needs of tomorrow's farmers and how they will cope with the progressive integration of agriculture into the prevailing economic and social systems, the increasing internationalization of economic relations within the EC and beyond, as well as with the demands of the urban majority on food production, amenity uses of land and conservation of nature. 





The titles listed below are owned by the Library; those lacking call numbers have not yet been cataloged. The foreign titles are available from the Library through loan or photocopy.

*Bibliography of Agricultural Bibliographies 1977: A Categorized Listing of Bibliographies Indexed in AGRICOLA.* (Bibliographies and Literature of Agriculture, BLA: 1/1977). Compiled by Charles N. Bebee. Beltsville, Maryland, U.S. Department of Agriculture, Science and Education Administration, Technical Information Systems. November 1978. 343 p. Approx. 1,600 citations. This is the first of an annual bibliography of agricultural bibliographies derived from AGRICOLA and cites only English language references. Free. Order from: Reference Branch, Technical Information Systems, SEA, USDA, National Agricultural Library Building, Beltsville, Maryland 20705.

*Bibliography of Agricultural & Food Science 1960-1978.* Winston W. Grant and Dale C. Dahl. St. Paul, Minn. University of Minnesota, August 1978. (Minnesota Agricultural Experiment Station Bulletin 523). Free. Apply to the Experiment Station.

*Plant Responses to Salinity: An Indexed Bibliography.* L. E. Francois and E. V. Maas. Berkeley, Regional Administrator for Agricultural Research (Western Region), Science and Education, U.S. Department of Agriculture, 1978. (Science and Education Administration) Agricultural Reviews and Manuals, Western Series, No. 6, October 1978. 321 p. Limited supply available; apply to authors, U.S. Salinity Laboratory, Science and Education Administration, 4500 Glenwood Drive, Riverside, California 92501.

*Sediment Transport in Rivers: A Bibliography with Abstracts.* Search period covered: 1964 - December 1977. (NTISearch NTIS/PS-77/1171). Springfield, Va., NTIS, U.S. Department of Commerce. 1977. 203 p. 203 citations. Price: \$28. Order from: Publisher, 5285 Port Royal Road, Springfield, VA 22161. (NAL call no.: Z6033.S4S39 1977).

#### HAVE YOU READ?

"Assessing the Benefits and Promise of an International Information Program (AGRIS)"  
F. W. Lancaster and John Martyn in *Journal of the American Society for Information Science*, 29 (6) 283-288. November 1978.



#### WHERE TO FIND ENVIRONMENTAL INFORMATION IN EUROPE

The researchers, managers or administrators who require information on the environment quickly encounter difficulties in locating references to this multidisciplinary topic. In fact a very wide range of physical, chemical, technological, medical, psychological and sociological information is relevant to environmental problems. The searcher is therefore faced with a relatively large number of secondary information sources, none of which even approaches comprehensive coverage.

This situation was analysed by J. Martyn and G. Yska, of ASLIB, London, and their findings are now being published in the report *Data bases suitable for users of environmental information* (ASLIB, 36, Belgrave Sq., London WC1, UK; approx. 100 pp. Nov. 1976), which was sponsored by the Commission of the European Communities.

The report sets out to identify and assess bibliographic data bases containing references to environmental information sources. It identifies some 97 data bases and assesses 45 of them by conducting searches with the use of a broad profile covering the environmental elements of water, waste, air and noise, land management and urban policy, depletion of resources and pollution. Nearly 1.75 million 'hits' were recorded using this method.



*January 30–February 1: CONFERENCE ON  
HARDWARE FOR ENERGY GENERATION IN  
THE FOREST PRODUCTS INDUSTRY.*

Seattle, Washington. Contact: Forestry Products  
Research Society, 2801 Marshall Court,  
Madison, WI 53705.

*February 5–9: SOCIETY FOR RANGE  
MANAGEMENT. 32ND ANNUAL MEETING.*

Casper, WY. Gen. Inf.: Mrs. J. Poll, SRM,  
2760 West Fifth Avenue, Denver, CO 80204.

*March 28–30: CONFERENCE ON TROPICAL  
FOODS: CHEMISTRY AND TECHNOLOGY.*

Honolulu, Hawaii. Gen. Info.: G. E. Inglett, USDA,  
ARS, NRRC, 1815 N. University, Peoria, IL 61604.

*April 1–6: PACIFIC CHEMICAL CONFERENCE  
1979: 38th NATIONAL MEETING OF CHEMICAL  
SOCIETY OF JAPAN AND 177th NATIONAL  
MEETING OF AMERICAN CHEMICAL SOCIETY.*

Honolulu, Hawaii. Contact: A.T. Winstead, American  
Chemical Society, 1155 16th St., N.W., Washington,  
D.C. 20036. (202–872–4396)

*April 2–4: 14TH CONG. ON AGRICULTURE AND  
FOREST METEOROLOGY.* Minneapolis, MN.

Gen. Info.: D. G. Baker, Soil Science Department,  
1529 Gortner Avenue, University of Minnesota,  
St. Paul, MN 55108.

*April 30–May 2: 1979 ENVIRONMENTAL SCIENCES  
MEETING.* Seattle, Washington. Sponsor: Institute of  
Environmental Sciences, 940 E. Northwest Highway,  
Mt. Prospect, IL 60056

*June 10–13: INSTITUTE OF FOOD  
TECHNOLOGISTS ANNUAL MEETING.*

St. Louis, MO. Gen. Info.: IFT, Suite 2120,  
221 North LaSalle Street, Chicago, IL 60601.

*July 8–12: FOREST PRODUCTS RESEARCH  
SOCIETY ANNUAL MEETING.*

San Francisco, CA. Gen. Inf.: FPRS,  
2801 Marshall Court, Madison, WI 53705

*July 23–26: AMERICAN ASSOCIATION OF  
VETERINARY PARASITOLOGISTS ANNUAL  
MEETING (in conj.) with AMERICAN VETERINARY  
MEDICAL ASSOCIATION ANNUAL MEETING.*

Gen. Inf.: R. R. Bell, DVM, AAVP, Texas A & M  
University, College Station, TX 77843.

*July 29–August 1: AMERICAN AGRICULTURAL  
ECONOMICS ASSOCIATION MEETING.*

Pullman, Washington. Contact: J. C. Redman,  
AAEA, Department of Agricultural Economics,  
University of Kentucky, Lexington KY 40506.

*August 5–12: 9th INTERNATIONAL CONGRESS  
OF PLANT PROTECTION,* Washington, D.C.

Contact: James G. Horsfall, Connecticut Agricultural  
Experiment Station, Box 1106, New Haven, CT 06504.

*August 27–31: 27TH CONGRESS OF THE  
INTERNATIONAL UNION OF PURE AND  
APPLIED CHEMISTRY.* Helsinki, Finland.

Sponsor: International Union of Pure and Applied  
Chemistry, Oxford, UK. Contact: Dr. J. Larinkari,  
Kemian Keskuslitto, P.O. Box 13028, Fabianinkatu,  
SF-00131, Helsinki 13, Finland.

*October 14–18: SOCIETY OF AMERICAN  
FORESTERS 1979 CONVENTION.* Boston, Mass.

Gen. Inf.: E. F. Robie, SAF, 5400 Grosvenor Lane,  
Washington, D.C. 20014.

*November 25–29: ENTOMOLOGICAL SOCIETY OF  
AMERICA. ANNUAL MEETING.* Denver, CO.

Gen. Inf.: W. P. Murdoch, ESA, 4603 Calvert Road,  
College Park, MD 20740.

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